

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2021-12-14 11:40:48

Date of Next Testing: 2023-12-04 11:40:48

Product Name: **1-Methyl-2-pyrrolidinone**

CAS Number: 872-50-4

Specifications & Purity: >99.0%(GC)

Lot #: L2108580

SKU #: **M100588**

Analysis: **058349**

Storage Temperature: Protected from light, Desiccated

Parameter	Limit Values	Result
Color scale	0-50	4.50
Water by Karl Fischer	0-0.1 (%)	0.04 %
Density (20°C)	1.032-1.036	1.04
Refractive index n ₂₀ /D	1.468-1.472	1.47
Purity(GC)	99-100 (%)	99.83 %
Appearance (M100588)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager